

The diagram shows an **IMAGING APPARATUS 102** containing several interconnected components:

- CONTROLLER 104**: Connected to the **IMAGING ENGINE 106** and **SENSOR CIRCUITRY 112**.
- IMAGING ENGINE 106**: Connected to the **CONTROLLER 104** and the **RESERVOIR 110**.
- SENSOR CIRCUITRY 112**: Connected to the **CONTROLLER 104** and the **RESERVOIR 110**.
- RESERVOIR 110**: A vertical container holding a liquid level **108**. It includes a **TLS 114** (Total Internal Reflection Surface) and a vertical dimension **L** from the bottom to the liquid level. The total height of the reservoir is indicated by dimension **D**.

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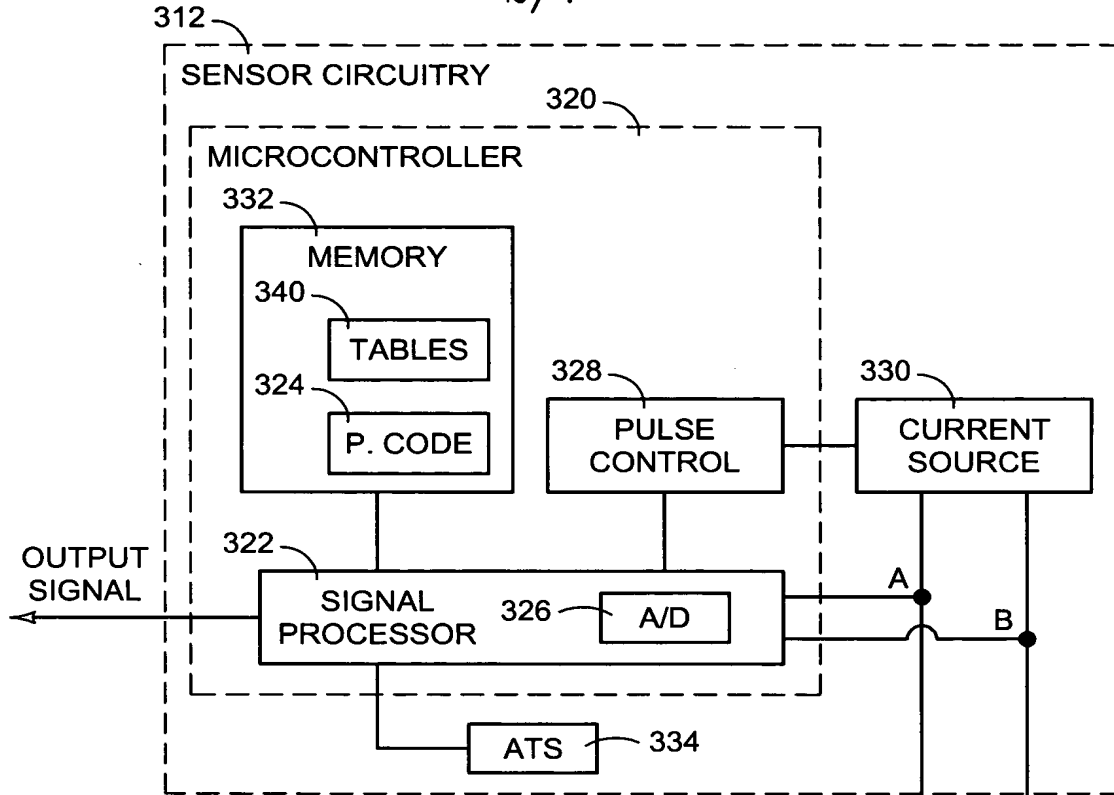


FIG. 3

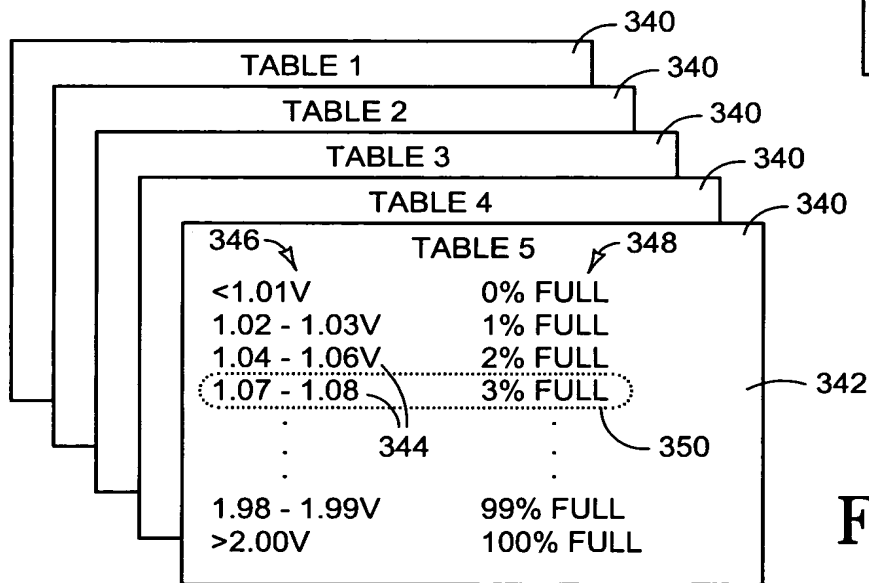


FIG. 4

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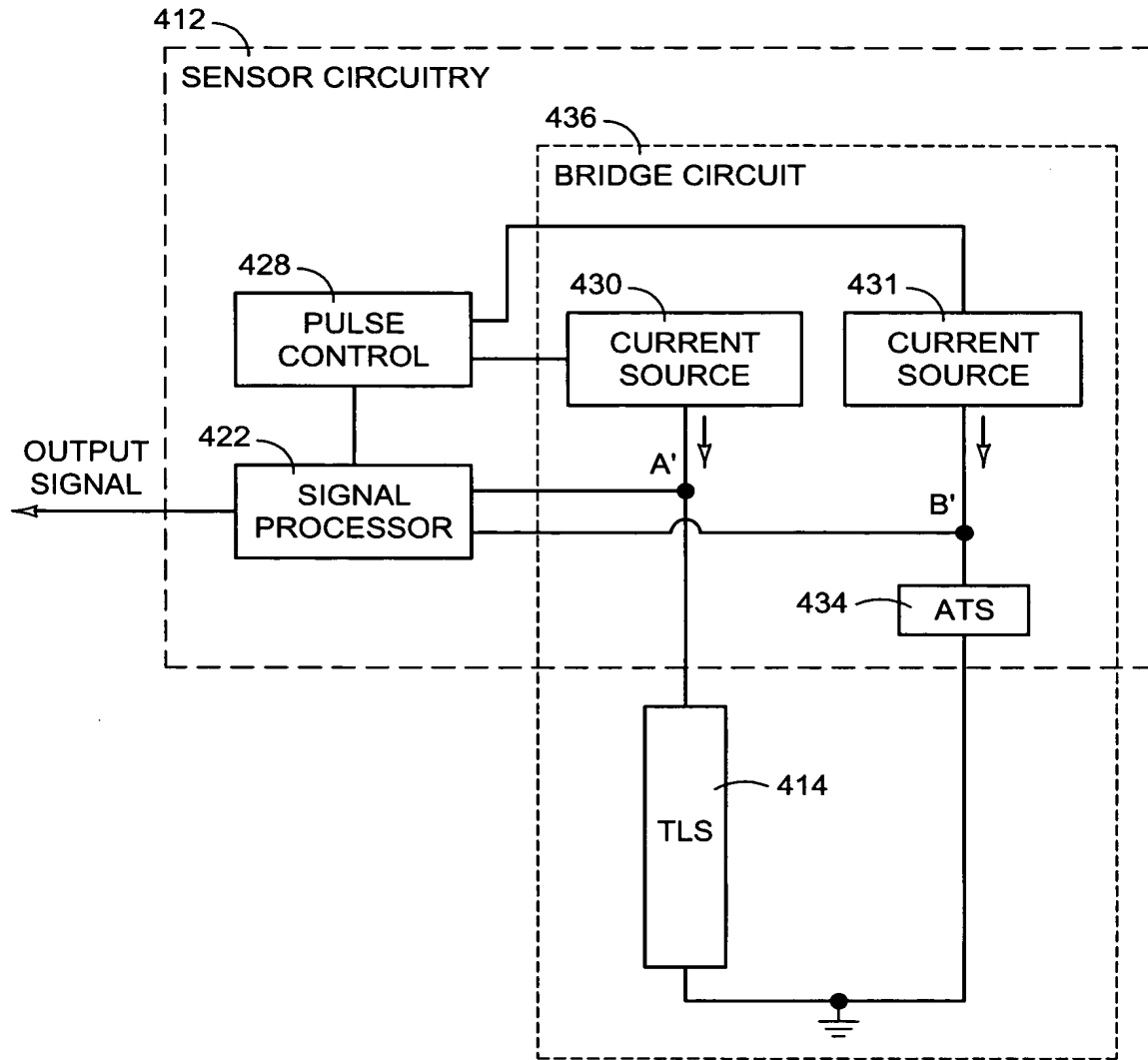


FIG. 5

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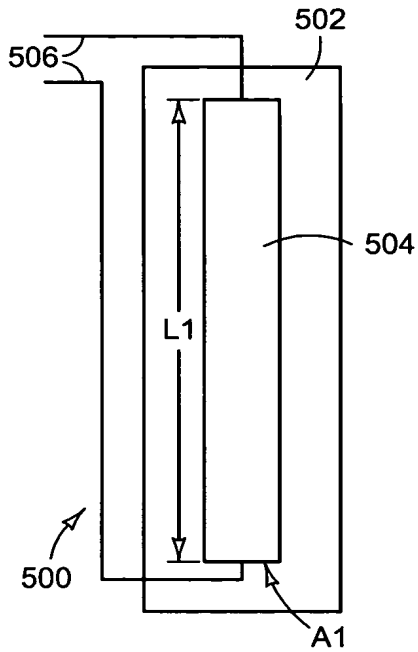


FIG. 6

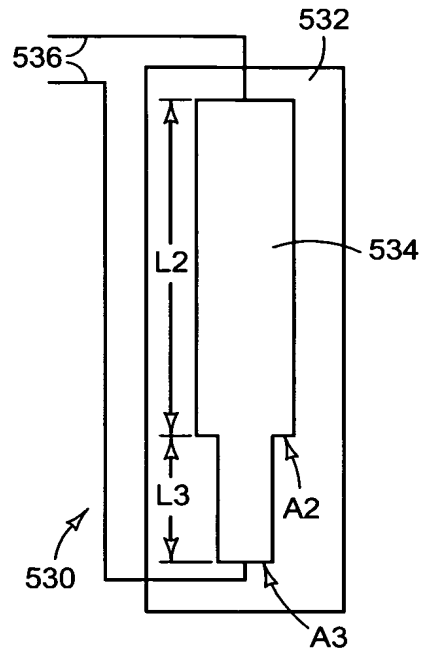


FIG. 6A

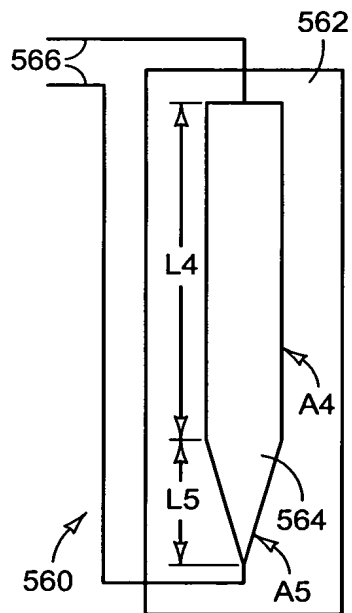


FIG. 6B

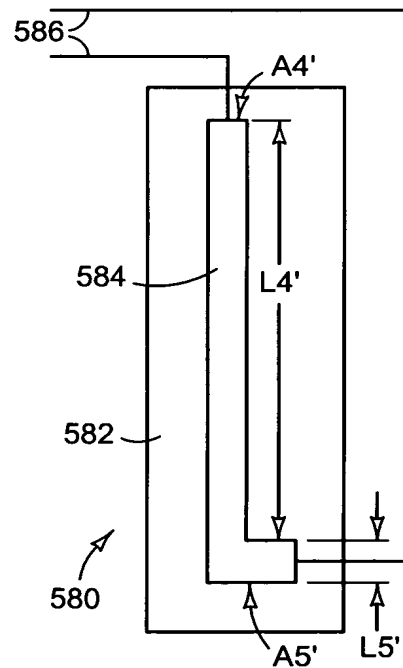


FIG. 6C

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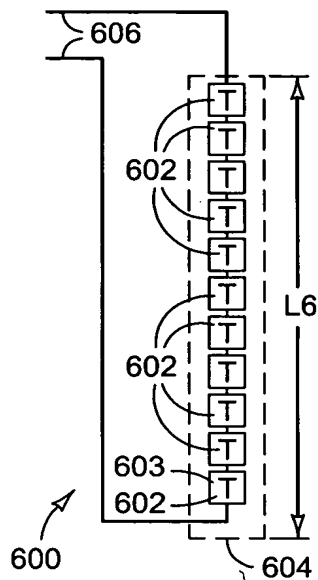


FIG. 7

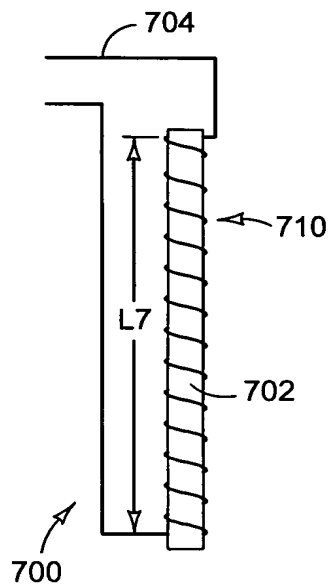


FIG. 8

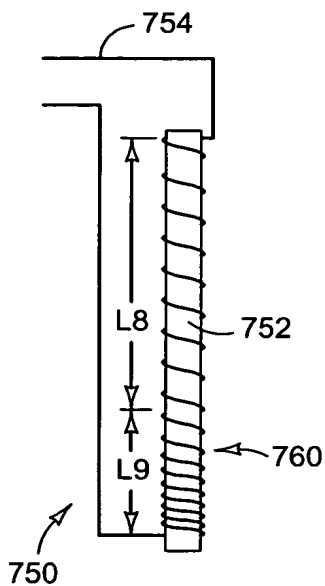


FIG. 8A

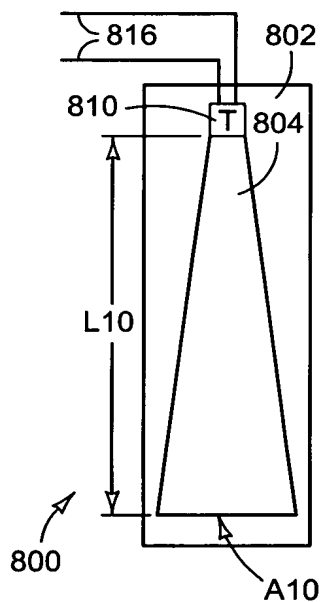


FIG. 9

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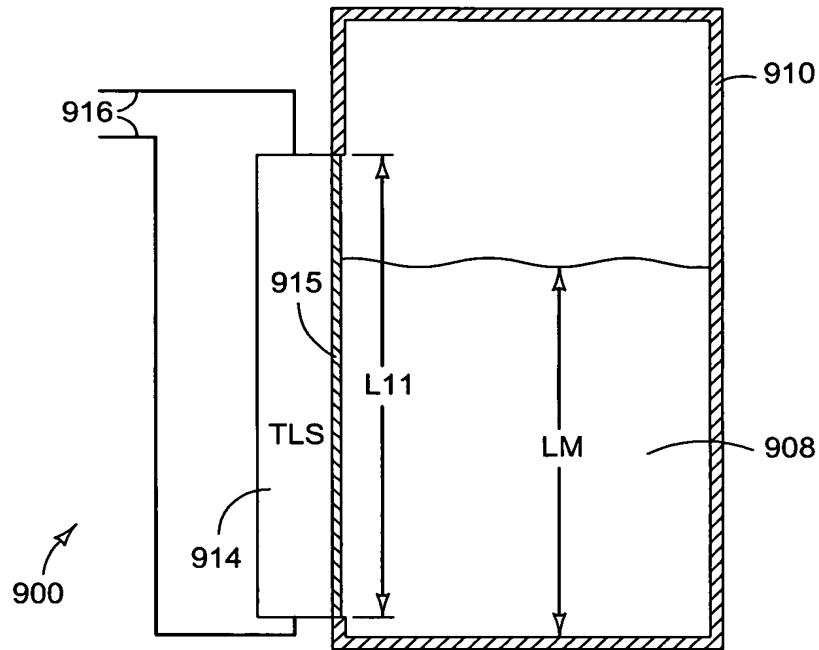


FIG. 10

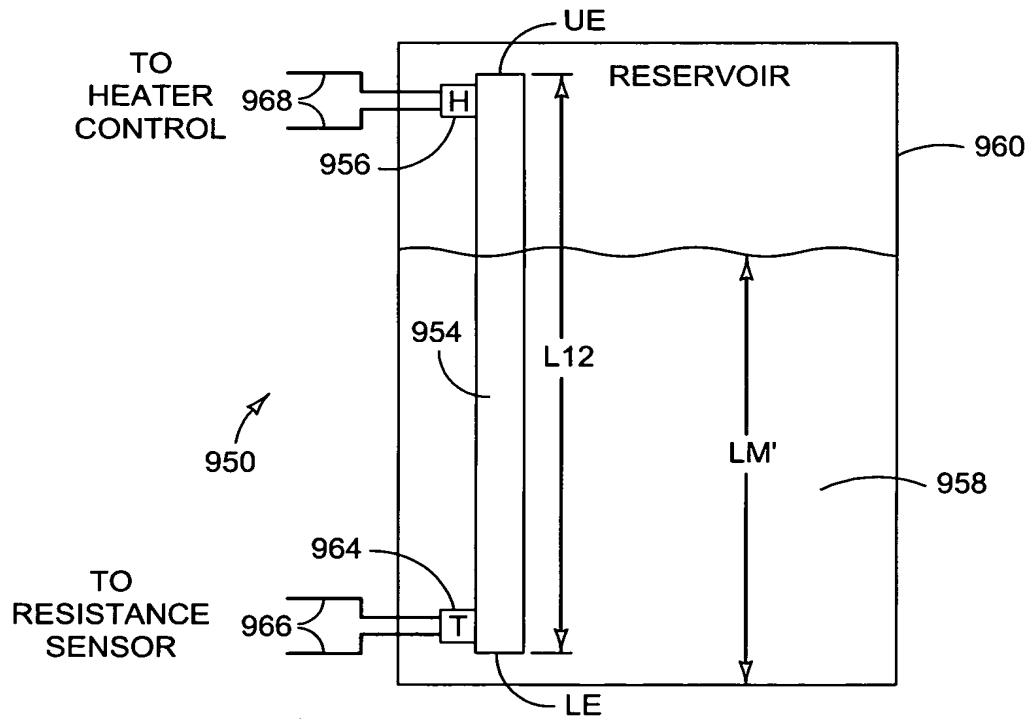


FIG. 11

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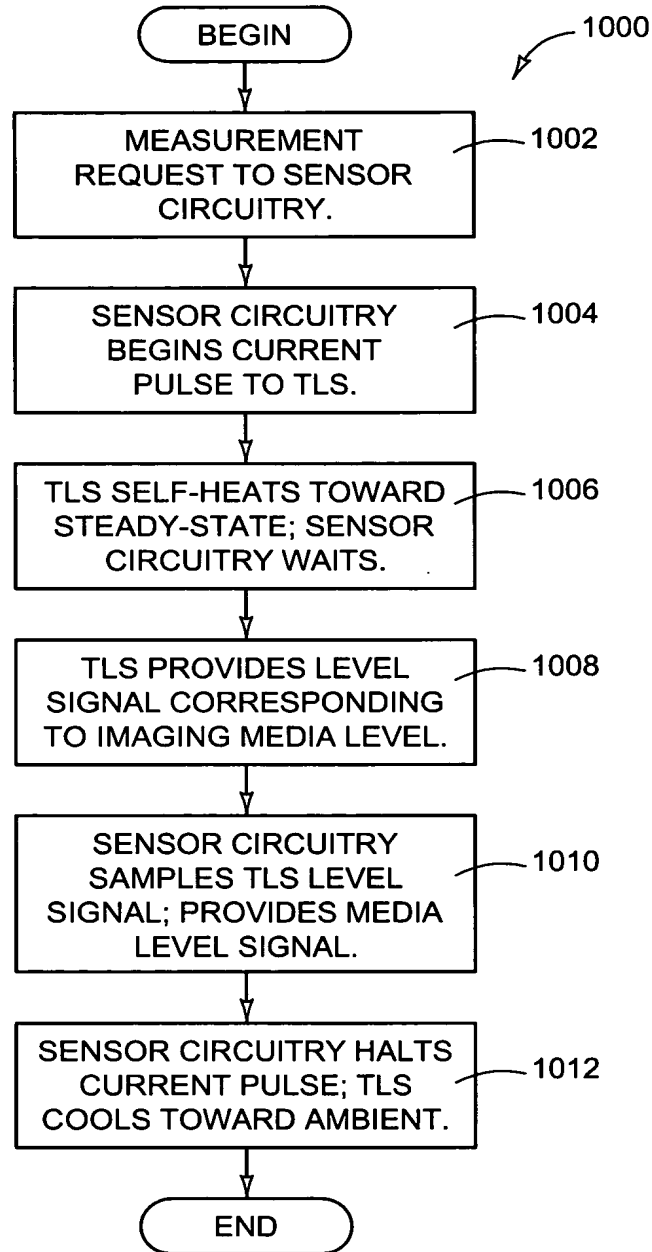


FIG. 12